

Core Advantages

- Exceptional customer support through direct access to Poseidon engineering resources.
- Patented metallic debris sensing technology provides the best sensitivity of any inductive coil device.
- Innovative impedance-based sensing method for real-time oil health monitoring.
- End-to-end solutions including sensing, data acquisition, online data portal, data analysis, and reporting.
- Custom design capabilities to deliver application-specific solutions.



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About Us

Poseidon Systems develops and manufactures real-time sensing and monitoring solutions that provide customers with reduced O&M costs, increased asset reliability, and improved operational safety. Poseidon's core expertise is in fluid diagnostics, particularly, metallic wear debris monitoring and oil condition monitoring. Poseidon also supports the design and production of application-specific sensing and monitoring solutions.

Company History

Poseidon Systems was formed in 2010 as a spin-off of a leading prognostics and health management solutions provider, Impact Technologies, and is now separately owned and operated. Through a series of acquisitions and internal developments Poseidon created a portfolio of oil monitoring technologies deployed in markets and applications worldwide.

Our customers utilize our expertise in condition monitoring; sensor research and development; and data acquisition and analysis to maximize efficiency and profitability.

Mission Statement

We provide sensing and monitoring solutions to protect our customers' most critical assets. Customer satisfaction is our primary commitment, and we achieve that through a combination of products and services paired with exceptional customer support.

POSEIDON
SYSTEMS

Protecting Your Critical Assets

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Core Competencies

Poseidon has core competencies in the design and manufacturing of condition monitoring sensors:

- **R&D:** Our expert sensing, data acquisition, and communications technologies allows us to develop custom sensing solutions for a wide range of applications.
- **Production:** Our products are manufactured and tested in our own ISO 9001:2015 certified production facility
- **Product Support:** We cover all phases of technology deployment: from system design, to installation, to data analysis and interpretation.
- **Technical Expertise:** Our rich background in condition monitoring, sensors and communications technologies, and oil health monitoring allows us to provide customers with the optimal solution.

Market/Customers

Poseidon provides products and services to some of the world's largest power generation and diesel engine companies. Our products are in use around the world. Industries served include:

- Wind power generation
- Conventional power generation
- Mining
- Railroad
- Marine (commercial and military)

Additionally, we support development and deployment contracts with branches of the U.S. DoD and private industry.

Products & Services

METALLIC DEBRIS MONITORING

- Detect gearbox and engine damage in its earliest stages
- Avoid catastrophic failures and minimize repair costs

OIL QUALITY MONITORING

- Track oil degradation to optimize lubrication maintenance practices
- Alert operators to contamination events

CUSTOM FLUID MONITORING SYSTEM

- Online monitoring of a wide range of fluid properties

SENSOR/ASSET CONNECTIVITY DEVICES

- Sensor data logging
- Data acquisition from Modbus and CANbus devices
- Local data processing and storage
- Wired or wireless gateway
- Internet of Things (IoT) device gateway
- Information transmission to remote monitoring servers

CUSTOMER DATA PORTAL

- Remote monitoring of asset health
- View, plot, and trend data from a variety of sources
- Set alarms and receive real-time notifications

CUSTOM DESIGNED SOLUTIONS

- Leverage our sensing, electronics, and software experience to fulfill your monitoring needs